


National Grid 2007 Elevated Voltage Testing Quarterly Report October to December

 Testing Summary	2007 Calendar Year			2007 4th Quarter	System Totals; Five year Goal			Units with Voltage Found (>= 1.0v) to date	Percent of Units Tested with Voltage (>= 1.0v)
	20% of System Units Required Testing ²	Units Completed to date	Percent Completed to date	Units Completed	Units Requiring Testing ¹	Units Completed to date	Percent Completed to date		
Distribution Facilities	158,691	301,794	190.18%	72,066	793,453	483,213	60.90%	249	0.052%
Underground Facilities	10,185	9,327	91.58%	1,002	50,925	19,549	38.39%	1	0.005%
Pad Mounted Equipment	6,809	5,074	74.51%	612	34,047	12,689	37.27%	1	0.01%
Handholes	152	272	179.18%	0	759	345	45.45%		0.00%
Manholes	3,224	3,981	123.49%	390	16,119	6,515	40.42%		0.00%
Street Lights	3,229				16,143	16,143	100.00%	138	0.855%
TOTAL	172,104	311,121	180.77%	73,068	860,521	518,905	60.30%	388	0.07%

Update covers Testing completed through December 2007 for preload years 2005 to 2009 - Massachusetts

Notes:

1- Over five year period 2006 through 2010

2- National Grid's internal goal is to test 20% of applicable units each year of the five year period

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nationalgrid	# of units between 1.0v and 4.4v	# of units between 4.5v and 7.9v	# of units between 8.0v - 24.9v	# of units between 25.0v - 99.9v	# of units greater than 100.0v	Total
Summary of Voltages Found						
Distribution Facilities	226	9	7	6	1	249
Pole (910)	226	9	7	6	1	249
Ground (914)	0	0	0	0	0	0
Guy (915)	0	0	0	0	0	0
Riser (916)	0	0	0	0	0	0
Other	0	0	0	0	0	0
Underground Facilities	1	0	0	0	0	1
Handhole / Pull box (950)	0	0	0	0	0	0
Manhole (951)	0	0	0	0	0	0
Padmount Switchgear (952)	0	0	0	0	0	0
Padmount Transformer (953)	1	0	0	0	0	1
Vault – Cover/Door (954)	0	0	0	0	0	0
Pedestal	0	0	0	0	0	0
Other	0	0	0	0	0	0
Street Lights	73	22	40	3	0	138
Metal Street Light Pole (971/981)	72	22	39	3	0	136
Other	1	0	1	0	0	2
Totals	300	31	47	9	1	388

NOTE - National Grid is only mitigating those locations where voltage is confirmed to be 4.5 volts or greater

NOTE - Individual facility counts (pole, ground, guy, etc) may add up to more than the total on a summary line due to voltage on multiple facilities at a single location or pole

NOTE - "Other" category generally includes incorrect facility types reported (example - a pole code turned in for voltage found on an underground device).

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nationalgrid	Units with Voltage Found >=4.5 volts	Units Permanently Repaired	Units Scheduled for Repair by Utility	Units Scheduled for Repair by Others	Repairs Made
Mitigation Efforts					
Distribution Facilities	23	23	0	0	(6)DownGround; (6)EquipOther(usecomments); (9)GroundConnection; (2)Guy
Underground Facilities	0	0	0	0	
Street Lights	65	65	0	0	(6)InfoMissing; (2)Cable&Ground; (1)CableFeed; (10)GroundConnection; (10)LampWiring; (3)Neutral; (1)PhotoEye; (1)PoorInsulation; (29)ServiceWire; (2)Z-CustomerProblem